

Work Order ID 81918

81918

Page 1

March-20-12 4:24:30 PM

Item ID: D412-706-011

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Fuel Purge Canister

Start Date: 20/03/2012 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 20/03/2012 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: ML5

Date: 12/03/12 Tooling:

Date:

Run Start ***NR1***

QC:

Date: SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

DSI 9494

B

IIN-D412-706

A

100

100

DC

Document Control

DOCUMENT CONTROL

Memo

Photocopy bluefile and create labels per PPP D412-706-011 CHG003

0.00

0.00

110

110

Packaging

Packaging

Pick Kit

Memo

0.00

0.00

Schultz

H. G. ML5 12-4-17

12/4/17

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Item ID: D412-706-011

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Fuel Purge Canister

Start Date: 20/03/2012 Start Qty: 1.00

1

Cust Item ID:

Required Date: 20/03/2012 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									
130	Packaging	0.00							
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPPD412-706-011								
	Location: <u>22</u>								
	PPP Rev: <u>E</u>								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

#12-04-30

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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Work Order ID: 81918

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Parent Item: D412-706-011

D412-706-011

Parent Item Name: Fuel Purge Canister

Start Date: 20/03/2012

Required Date: 20/03/2012

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP Rev:E 04.12.03 Remove AN6289-6D; Change Qty of 924-6DKJ/JLM
REV:
IPP Rev:F 08-05-14 revise comment in seq.17 /24 DD verified by:EC IPP rev G
10.01.18 per DSI9494 EC verified by:DD IPP Rev:H 10.03.23
as per IIN revA DD verified by:EC IPP Rev:I 10.05.10 as per chg003 DD verified :EC IPP REV K 11.06.17 AS PER CHG
002 JLM VERIFIED BY:ec

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2001-4 *D2001-4* Valve Assembly (1/4")		Manufactured	No			110	Each	16.0000	1	1			
				<u>Location</u>				<u>Loc Qty</u>					
				ST002				16					
				77058				6		1			
				77201				10					
D3262-043 *D3262-043* Canister Assembly		Manufactured	No			110	Each	1.0000	1	1			
				<u>Location</u>				<u>Loc Qty</u>					
				ST198A				1					
				77591				1					
D3264-1 *D3264-1* Bracket		Manufactured	No			110	Each	7.0000	2	2			
				<u>Location</u>				<u>Loc Qty</u>					
				ST198A				7					
				75995				2					
				79348				5		1			

B759725

10/11/12
B81920

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Work Order ID: 81918

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Parent Item: D412-706-011

D412-706-011

Parent Item Name: Fuel Purge Canister

Start Date: 20/03/2012

Required Date: 20/03/2012

Start Qty: 1.00

Required Qty: 1.00

D3297-1-0098

Manufactured No

110

Each

6.0000

1 1

D3297-1-0098

HOSE ASS'Y

**

LocationLoc QtyLoc Code

ST191

6

~~75973~~

2

77601

4

D3297-3-0085

Manufactured No

110

Each

5.0000

1 1

D3297-3-0085

HOSE ASS'Y

**

LocationLoc QtyLoc Code

ST191

5

75972

1

77599

4

D3297-3-0210

Manufactured No

110

Each

6.0000

1 1

D3297-3-0210

HOSE ASS'Y

**

LocationLoc QtyLoc Code

ST192

6

~~75971~~

3

76204

3

D4054-001

Manufactured No

110

Each

2.0000

1 1

D4054-001

Tube Assembly

**

LocationLoc QtyLoc Code

ST193

2

75976

2

March-20-12 4:24:34 PM

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Page 2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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Work Order ID: 81918

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Parent Item: D412-706-011

D412-706-011

Parent Item Name: Fuel Purge Canister

Start Date: 20/03/2012

Required Date: 20/03/2012

Start Qty: 1.00

Required Qty: 1.00

D4054-003

Manufactured No

110

Each

2.0000

1

1

D4054-003

Tube Assembly

**

SP SP

Location

Loc Qty

Loc Code

ST193

2

75980

2

110

Each

6.0000

1

1

D3298-005

Manufactured No

D3298-005

Tube Assembly

**

SP SP

Location

Loc Qty

Loc Code

ST192

6

75974

2

77593

4

110

Each

5.0000

1

1

D3298-007

Manufactured No

D3298-007

Tube Assembly

**

SP SP

Location

Loc Qty

Loc Code

ST192

5

75975

1

77600

4

110

Each

2.0000

1

1

D4054-009

Manufactured No

D4054-009

Tube Assembly

**

SP 2/4/12 SP

Location

Loc Qty

Loc Code

ST193

2

75981

2

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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81918

Parent Item: D412-706-011

D412-706-011

Parent Item Name: Fuel Purge Canister

Start Date: 20/03/2012

Required Date: 20/03/2012

Start Qty: 1.00

Required Qty: 1.00

D3299-7

Manufactured No

110 Each

6.0000

1

1

**

D3299-7

Fitting

Location

Loc Qty

Loc Code

ST037

6

75977

6

110 Each

6.0000

1

1

**

D3299-3

Manufactured No

D3299-3

Fitting

Location

Loc Qty

Loc Code

ST037

6

75978

6

110 Each

9.0000

1

1

**

D3299-5

Manufactured No

D3299-5

Fitting

Location

Loc Qty

Loc Code

ST037

9

55531

1

75979

8

110 Each

7.0000

1

1

**

D3301-1

Manufactured No

D3301-1

Placard

Location

Loc Qty

Loc Code

ST037

7

73092

1

77598

6

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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81918

Parent Item: D412-706-011

D412-706-011

Parent Item Name: Fuel Purge Canister

Start Date: 20/03/2012

Required Date: 20/03/2012

Start Qty: 1.00

Required Qty: 1.00

D3301-3

Manufactured No

110 Each

19.0000

1 1

D3301-3

Placard

**

Location

Loc Qty

Loc Code

ST037

19

77203

9

77856

10

D3302-1

Manufactured No

110 Each

4.0000

1 1

D3302-1

Doubler

**

Location

Loc Qty

Loc Code

ST198

4

73094

4

D3302-3

Manufactured No

110 Each

2.0000

1 1

D3302-3

Doubler

**

Location

Loc Qty

Loc Code

ST198

2

73095

2

D3329-1

Manufactured No

110 Each

5.0000

2 2

D3329-1

Bushing

**

Location

Loc Qty

Loc Code

ST038

5

73096

5

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Parent Item: D412-706-011

D412-706-011

Parent Item Name: Fuel Purge Canister

Start Date: 20/03/2012

Required Date: 20/03/2012

Start Qty: 1.00

Required Qty: 1.00

AN3-5A

Purchased

No

110

Each

1,082.000

4 4

AN3-5A
Bolt

**

1121285

Location

Loc Qty

Loc Code

ST350

1082

115371

46

117423

124

118626

212

119355

200

120187

500

Purchased

No

110

Each

8.0000

1

1

AN814-8D

AN814-8D
Plug

**

Location

Loc Qty

Loc Code

ST324

8

119000

8

Purchased

No

110

Each

26.0000

2

2

AN815-6D

AN815-6D
Union-M-Flare

**

Location

Loc Qty

Loc Code

ST325

26

119396

6

119433

2

119438

18

Purchased

No

110

Each

4.0000

1

1

AN815-8D

AN815-8D
Union-M-Flare

**

2*

Location

Loc Qty

Loc Code

ST325

4

119546

4

1

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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Work Order ID: 81918

81918

Parent Item: D412-706-011

D412-706-011

Parent Item Name: Fuel Purge Canister

Start Date: 20/03/2012

Required Date: 20/03/2012

Start Qty: 1.00

Required Qty: 1.00

AN832-6D

Purchased

No

110

Each

49.0000

1

1

AN832-6D
UNION

**

SP

Location

Loc Qty

Loc Code

ST326

49

119014

9

120693

40

/

AN833-6D

Purchased

No

110

Each

11.0000

1

1

AN833-6D
Elbow, Bulkhead-M-Flare

**

SP

Location

Loc Qty

Loc Code

ST327

5

120820

5

ST328

6

118840

1

119546

5

/

AN833-8D

Purchased

No

110

Each

5.0000

1

1

AN833-8D
ELBOW

**

SP

Location

Loc Qty

Loc Code

ST327

3

120308

3

ST328

2

118823

2

/

AN924-6D

Purchased

No

110

Each

28.0000

4

4

AN924-6D
Nut

**

SP 12/4/17

Location

Loc Qty

Loc Code

ST329

28

120521

8

120693

20

March-20-12 4:24:35 PM

Shop Packet Print

Page 7

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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81918

Parent Item: D412-706-011

D412-706-011

Parent Item Name: Fuel Purge Canister

Start Date: 20/03/2012

Required Date: 20/03/2012

Start Qty: 1.00

Required Qty: 1.00

AN924-8D

Purchased

No

110

Each

8.0000

1

1

AN924-8D
NUT

**

Location

Loc Qty

Loc Code

ST329

8

119510

8

AN938-6D

Purchased

No

110

Each

9.0000

1

1

AN938-6D
Tee

**

Location

Loc Qty

Loc Code

ST330

9

119510

9

AN960JD10L

NAS1149D0332J

Purchased

No

110

Each

0.0000

4

4

*AN960.ID10I *
Washer

**

AN960JD10

NAS1149D0363J

Purchased

No

110

Each

0.0000

8

8

AN960.ID10
Washer

**

AN960JD916

NAS1149D0963J

Purchased

No

110

Each

0.0000

2

2

AN960.ID916
WASHER

**

March-20-12 4:24:35 PM

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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Work Order ID: 81918

81918

Parent Item: D412-706-011

D412-706-011

Parent Item Name: Fuel Purge Canister

Start Date: 20/03/2012

Required Date: 20/03/2012

Start Qty: 1.00

Required Qty: 1.00

MS21042L3

Purchased

No

110

Each

2,995.000

4

4

MS21042L3

Nut

**

Location

Loc Qty

Loc Code

ST300

2995

117441

16

117885

32

118451

5

118927

3

119017

2766

119075

173

MS21919-WDG9

Purchased

No

110

Each

205.0000

2

2

MS21919-WDG9

Clamp

**

Location

Loc Qty

Loc Code

328

200

120986

200

ST307

5

120308

5

MS21920-42

Purchased

No

110

Each

18.0000

2

2

MS21920-42

CLAMP(per MIL-DTL-8783C)

**

Location

Loc Qty

Loc Code

ST451

18

119659

8

119673

10

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Parent Item: D412-706-011

D412-706-011

Parent Item Name: Fuel Purge Canister

Start Date: 20/03/2012

Required Date: 20/03/2012

Start Qty: 1.00

Required Qty: 1.00

MS29512-06

Purchased

No

110

Each

24.0000

7

7

MS29512-06

O-RING

**

SP

Location

Loc Qty

Loc Code

ST293

24

120123

4

120360

20

7

3

MS29512-08

Purchased

No

110

Each

10.0000

3

3

MS29512-08

O-RING

**

SP

Location

Loc Qty

Loc Code

ST294

10

113706

1

119510

9

3

1

MS35489-16

Purchased

No

110

Each

14.0000

1

1

MS35489-16

GROMMET

**

12/4/17 SP

Location

Loc Qty

Loc Code

ST295

14

118006

14

1

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-706 REV. A AND ICA-D412-706 REV. 0

REF TCCA STC: SH04-54

REF FAA STC: SR02055NY

REF. EASA STC: EASA.IM.R.S.01180

DESCRIPTION:

AT CHG 002, THE D412-706-011 FUEL PURGE CANISTER INSTALLATION HAS BEEN MODIFIED WITH LARGER VENT LINES TO ELIMINATE BACK PRESSURE THAT MAY OCCUR WHEN STARTING THE SECOND ENGINE IF THE CANISTER HAS NOT BEEN PROPERLY DRAINED. THE BACK PRESSURE IS EVIDENCED BY AN ONGOING VAPOR DISCHARGE FROM THE CANISTER VENT AT LOW TO MEDIUM RPM WHILE STARTING THE 2nd ENGINE. THE UPDATED PARTS LIST IS SHOWN BELOW:

IS

QTY -011	PART NUMBER	DESCRIPTION
X	D412-706-011	FUEL PURGE CANISTER INSTALLATION (212/412)
1	D2001-4	VALVE ASSEMBLY
1	D3262-043	CANISTER ASSEMBLY (WAS D3262-041)
2	D3264-1	BRACKET
1	D3297-1-0098	HOSE ASSEMBLY
1	D3297-3-0085	HOSE ASSEMBLY
1	D3297-3-0210	HOSE ASSEMBLY
1	D4054-001	TUBE ASSEMBLY (WAS D3298-001)
1	D4054-003	TUBE ASSEMBLY (WAS D3298-003)
1	D3298-005	TUBE ASSEMBLY
1	D3298-007	TUBE ASSEMBLY
1	D4054-009	TUBE ASSEMBLY (WAS D3298-009)
1	D3299-7	FITTING (WAS 3299-1)
1	D3299-3	FITTING
1	D3299-5	FITTING
1	D3301-1	PLACARD
1	D3301-3	PLACARD
1	D3302-1	DOUBLER
1	D3302-3	DOUBLER
2	D3329-1	BUSHING

Continue on next sheet

SHOP COPY
RETURN TO
ENGINEERING
INCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 81818
12103121

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE #02)

DATE: 11.06.06
CERT. NO.: SH04-54
ISSUE NO.: 1

B	SHEET 2: D412-706-011 KIT: QTY(7) MS29512-06 WAS QTY(8), QTY(3) MS29512-08 WAS QTY(2), MS35489-16 WAS MS35489-11; DSI 9494-011 KIT P/L: ADDED AN814-8D PLUG AND MS35489-16 GROMMET, QTY(3) MS29512-08 O-RING WAS QTY(2). SHEET 3: AN814-8D PLUG WAS AN814-6D PLUG AND MS29512-08 WAS MS29512-06. REASON: NCR11-641.		MB	11.06.03
A	NEW ISSUE		RF	10.01.07
REV.	DESCRIPTION		BY	DATE
DESIGN	RF	DART AEROSPACE LTD		
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA		
CHECKED	UP	DRAWING NO. REV. B		
MFG. APPR.	N/A	DSI 9494 SHEET 1 OF 3		
APPROVED	UP	TITLE SCALE		
DE APPR.	UP	212/412 CANISTER UPGRADE KIT NTS		
DATE	11.06.03			
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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Continue from previous sheet

B	4	AN3-5A	BOLT	
	1	AN814-8D	PLUG	
	2	AN815-6D	UNION	
	1	AN815-8D	UNION	(WAS AN815-6D)
	1	AN832-6D	UNION	
	1	AN833-6D	ELBOW	
	1	AN833-8D	ELBOW	(WAS AN833-6D)
	4	AN924-6D	NUT	
	1	AN924-8D	NUT	(WAS AN924-6D)
	1	AN938-6D	TEE	
	4	AN960JD10L	WASHER (OR NAS1149D0332J)	
	8	AN960JD10	WASHER (OR NAS1149D0363J)	
	2	AN960JD916	WASHER	
	4	MS21042L3	NUT	
	2	MS21919WDG9	CLAMP	
	2	MS21920-42	CLAMP	
B	7	MS29512-06	O-RING	(WAS MS28778-6)
	3	MS29512-08	O-RING	(WAS MS28778-8)
	1	MS35489-16	GROMMET	

FOR CUSTOMERS WHO HAVE EXPERIENCED THIS PROBLEM IN SERVICE, THE DSI 9494-011 UPGRADE KIT IS AVAILABLE TO UPGRADE THE INSTALLATION FROM CHG 001 TO CHG 002.

	QTY -011	PART NUMBER	DESCRIPTION
	X	DSI 9494-011	212/412 CANISTER UPGRADE KIT
	1	D3262-043	CANISTER ASSEMBLY
	1	D4054-001	TUBE ASSEMBLY
	1	D4054-003	TUBE ASSEMBLY
	1	D4054-009	TUBE ASSEMBLY
	1	D3299-7	FITTING
B	1	AN814-8D	PLUG
	1	AN815-8D	UNION
	1	AN833-8D	ELBOW
	1	AN924-8D	NUT
B	3	MS29512-08	O-RING
	1	MS35489-16	GROMMET

WEIGHT AND BALANCE:
NO CHANGE

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED
BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 11.06.06
CERT. NO.: SH04-54
ISSUE NO.: 1

DESIGN	RF	DART AEROSPACE LTD	
DRAWN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>[Signature]</i>	DSI 9494	SHEET 2 OF 3
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	212/412 CANISTER UPGRADE KIT	NTS
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81618

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

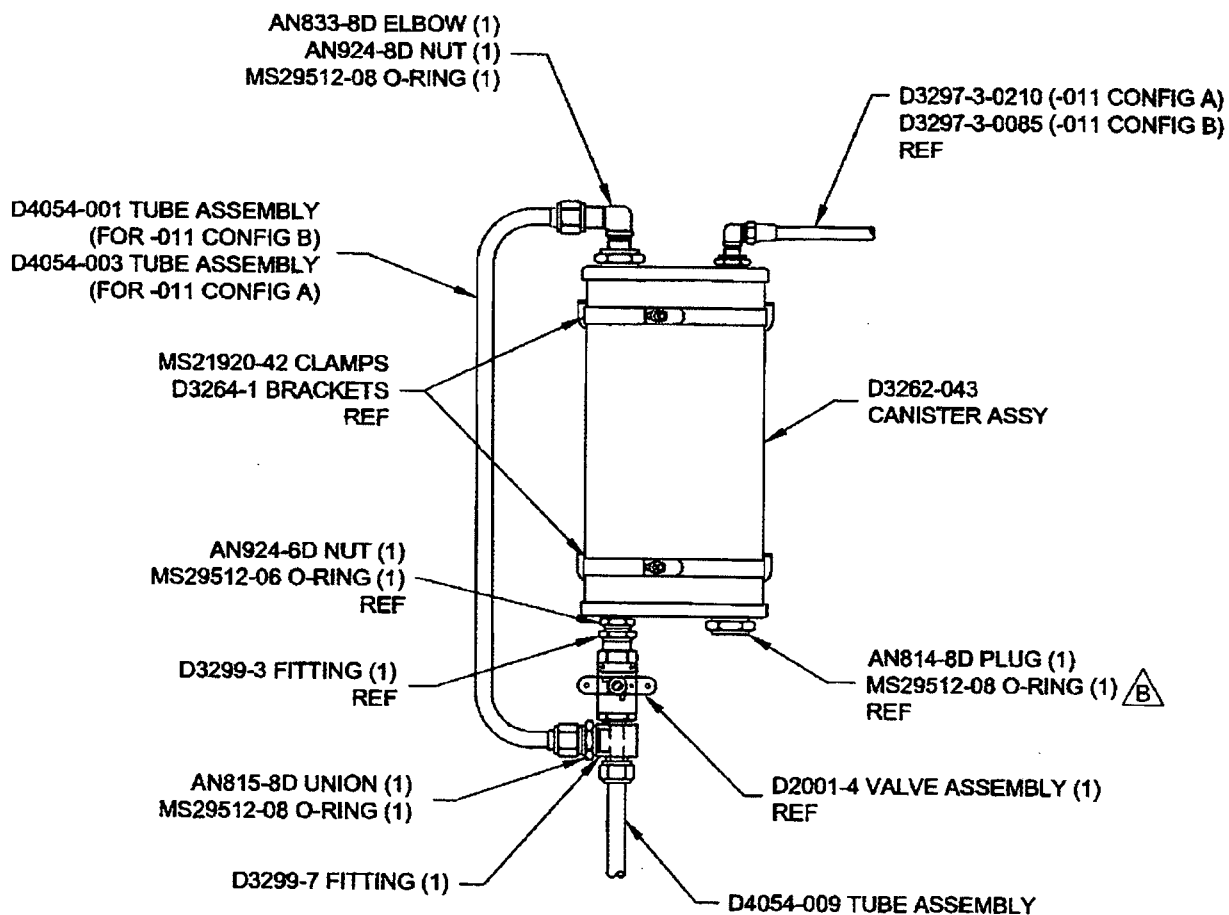


FIGURE 1. CANISTER ASSEMBLY
(-011 INSTALLATION AT CHG 002)

NOTE: FOR THE LARGER D4054-009 LINE, CUSTOMER MUST DRILL A $\varnothing 0.813$ HOLE AND INSTALL MS35489-16 GROMMET INSTEAD OF MS35489-11 GROMMET IN BELLY SKIN.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO #01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 11.06.06
CERT. NO.: SH04-54
ISSUE NO.: 1

DESIGN	RF	DART AEROSPACE LTD	
DRAWN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>[Signature]</i>	DSI 9494	SHEET 3 OF 3
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	212/412 CANISTER UPGRADE KIT	NTS
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01518

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
				/				

NOTE: Date & initial all entries

REFERENCE ONLY

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-706 REV. A AND ICA-D412-706 REV. 0

REF TCCA STC: SH04-54
REF FAA STC: SR02055NY
REF. EASA STC: EASA.IM.R.S.01180

DESCRIPTION:

AT CHG 002, THE D412-706-011 FUEL PURGE CANISTER INSTALLATION HAS BEEN MODIFIED WITH LARGER VENT LINES TO ELIMINATE BACK PRESSURE THAT MAY OCCUR WHEN STARTING THE SECOND ENGINE IF THE CANISTER HAS NOT BEEN PROPERLY DRAINED. THE BACK PRESSURE IS EVIDENCED BY AN ONGOING VAPOR DISCHARGE FROM THE CANISTER VENT AT LOW TO MEDIUM RPM WHILE STARTING THE 2nd ENGINE. THE UPDATED PARTS LIST IS SHOWN BELOW:

IS

QTY -011	PART NUMBER	DESCRIPTION
X	D412-706-011	FUEL PURGE CANISTER INSTALLATION (212/412)
1	D2001-4	VALVE ASSEMBLY
1	D3262-043	CANISTER ASSEMBLY (WAS D3262-041)
2	D3264-1	BRACKET
1	D3297-1-0098	HOSE ASSEMBLY
1	D3297-3-0085	HOSE ASSEMBLY
1	D3297-3-0210	HOSE ASSEMBLY
1	D4054-001	TUBE ASSEMBLY (WAS D3298-001)
1	D4054-003	TUBE ASSEMBLY (WAS D3298-003)
1	D3298-005	TUBE ASSEMBLY
1	D3298-007	TUBE ASSEMBLY
1	D4054-009	TUBE ASSEMBLY (WAS D3298-009)
1	D3299-7	FITTING (WAS 3299-1)
1	D3299-3	FITTING
1	D3299-5	FITTING
1	D3301-1	PLACARD
1	D3301-3	PLACARD
1	D3302-1	DOUBLER
1	D3302-3	DOUBLER
2	D3329-1	BUSHING

Continue on next sheet

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO #01-O-01

APPROVED
BY: 
D. SHEPHERD (DE #02)

DATE: 11.06.06
CERT. NO.: SH04-54
ISSUE NO.: 1

B	SHEET 2: D412-706-011 KIT: QTY(7) MS29512-06 WAS QTY(8), QTY(3) MS29512-08 WAS QTY(2), MS35489-16 WAS MS35489-11; DSI 9494-011 KIT P/L: ADDED AN814-8D PLUG AND MS35489-16 GROMMET, QTY(3) MS29512-08 O-RING WAS QTY(2). SHEET 3: AN814-8D PLUG WAS AN814-6D PLUG AND MS29512-08 WAS MS29512-06. REASON: NCR11-641.		MB	11.06.03
A	NEW ISSUE		RF	10.01.07
REV.	DESCRIPTION		BY	DATE
DESIGN	RF	DART AEROSPACE LTD		
DRAWN	R	HAWKESBURY, ONTARIO, CANADA		
CHECKED	W	DRAWING NO.	REV. B	
MFG. APPR.	N/A	DSI 9494	SHEET 1 OF 3	
APPROVED		TITLE	SCALE	
DE APPR.		212/412 CANISTER UPGRADE KIT	NTS	
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Continue from previous sheet


B	4	AN3-5A	BOLT	
	1	AN814-8D	PLUG	
	2	AN815-6D	UNION	
	1	AN815-8D	UNION	(WAS AN815-6D)
	1	AN832-6D	UNION	
	1	AN833-6D	ELBOW	
	1	AN833-8D	ELBOW	(WAS AN833-6D)
	4	AN924-6D	NUT	
	1	AN924-8D	NUT	(WAS AN924-6D)
	1	AN938-6D	TEE	
	4	AN960JD10L	WASHER (OR NAS1149D0332J)	
	8	AN960JD10	WASHER (OR NAS1149D0363J)	
	2	AN960JD916	WASHER	
	4	MS21042L3	NUT	
	2	MS21919WDG9	CLAMP	
	2	MS21920-42	CLAMP	
B	7	MS29512-06	O-RING	(WAS MS28778-6)
	3	MS29512-08	O-RING	(WAS MS28778-8)
	1	MS35489-16	GROMMET	





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	QTY -011	PART NUMBER	DESCRIPTION
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	1	D3262-043	CANISTER ASSEMBLY
	1	D4054-001	TUBE ASSEMBLY
	1	D4054-003	TUBE ASSEMBLY
	1	D4054-009	TUBE ASSEMBLY
	1	D3299-7	FITTING
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	1	AN815-8D	UNION
	1	AN833-8D	ELBOW
	1	AN924-8D	NUT
	3	MS29512-08	O-RING
B	1	MS35489-16	GROMMET

WEIGHT AND BALANCE:
NO CHANGE

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED
BY: 
D. SHEPHERD (DE # 02)
DATE: 11.06.06
CERT. NO.: SH04-54
ISSUE NO.: 1

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO. DSI 9494	REV. B
MFG. APPR.		SHEET 2 OF 3	
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